

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. 8028-1050 U.S. Application No. 10/518510
INTERNATIONAL APPLN. NO. PCT/JP2003/007856	INTERNATIONAL FILING DATE June 20, 2003	PRIORITY DATE CLAIMED June 21, 2002
TITLE OF INVENTION: OPTICAL WAVEGUIDE CIRCUIT AND MANUFACTURING METHOD THEREOF		
APPLICANT(S) FOR DO/EO/US: Tsuyoshi SHIMODA		
Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. See attached PCT/IB/308. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made, however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4) 10. <input type="checkbox"/> A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv).)) 11. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). <p>Items 11 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS) w/PTO-1449 - <input checked="" type="checkbox"/> Copy of IDS citations. 13. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)). 14. <input checked="" type="checkbox"/> A preliminary amendment. 15. <input checked="" type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76. 16. <input checked="" type="checkbox"/> Itemized Return Receipt Postcard 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> Power of Attorney and Statement under 37 CFR §3.73(b) <ol style="list-style-type: none"> a. <input type="checkbox"/> Newly executed Power of Attorney b. <input type="checkbox"/> A change of Power of Attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)). 22. <input checked="" type="checkbox"/> Other items or information: <u>Abstract, International Search Report, PCT/IPEA/409/ (International Preliminary Examination Report)</u> 		

U.S. APPLICATION NO. 107518510		INTERNATIONAL APPLN. NO. PCT/JP2003/007856		ATTORNEY DOCKET NO. 8028-1050																																																																										
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. <input checked="" type="checkbox"/> The following fees are submitted: PCT FEES - NATIONAL STAGE					CALCULATIONS PTO USE ONLY																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1631</td> <td>300.00</td> <td>2631</td> <td>150.00</td> <td>Basic National Stage Fee</td> </tr> <tr> <td>1632</td> <td>500.00</td> <td>2632</td> <td>250.00</td> <td>National Stage Search Fee</td> </tr> <tr> <td>1633</td> <td>200.00</td> <td>2633</td> <td>100.00</td> <td>National Stage Examination Fee</td> </tr> <tr> <td colspan="5"> Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617) </td> </tr> <tr> <td colspan="2"> SIZE FEE Plant size fee each additional 50 sheets in excess of 100 Fee Code 1681/2681 </td> <td colspan="2"> Additional Sheets 39 - 100 = <u>50</u> X </td> <td> Fee From Below \$250.00 </td> </tr> <tr> <td colspan="2"> CLAIMS Independent Claims Fee Codes 1614 / 2614 </td> <td> NUMBER FILED 8 - 3 = </td> <td> NUMBER EXTRA 5 </td> <td> RATE x \$200.00 </td> </tr> <tr> <td colspan="2"> Total Claims Fee Codes 1615 / 2615 </td> <td> 21 - 20 = </td> <td> 1 </td> <td> x \$50.00 </td> </tr> <tr> <td colspan="4"> MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616 </td> <td> + \$360.00 </td> </tr> <tr> <td colspan="4"> Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). Fee Code 1618 </td> <td> \$0.00 </td> </tr> <tr> <td colspan="4"> Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021) \$40.00 per property </td> <td> + 40.00 </td> </tr> <tr> <td colspan="4"> TOTAL FEES ENCLOSED </td> <td> = \$2,090.00 </td> </tr> <tr> <td colspan="4"></td> <td> Amount to be refunded: \$ </td> </tr> <tr> <td colspan="4"></td> <td> Charged: \$ </td> </tr> </tbody></table>				Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1631	300.00	2631	150.00	Basic National Stage Fee	1632	500.00	2632	250.00	National Stage Search Fee	1633	200.00	2633	100.00	National Stage Examination Fee	Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617)					SIZE FEE Plant size fee each additional 50 sheets in excess of 100 Fee Code 1681/2681		Additional Sheets 39 - 100 = <u>50</u> X		Fee From Below \$250.00	CLAIMS Independent Claims Fee Codes 1614 / 2614		NUMBER FILED 8 - 3 =	NUMBER EXTRA 5	RATE x \$200.00	Total Claims Fee Codes 1615 / 2615		21 - 20 =	1	x \$50.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616				+ \$360.00	Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). Fee Code 1618				\$0.00	Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021) \$40.00 per property				+ 40.00	TOTAL FEES ENCLOSED				= \$2,090.00					Amount to be refunded: \$					Charged: \$	
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<input checked="" type="checkbox"/> A check in the amount of \$2,090.00 to cover the above fees is attached. <input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.																																																																														
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23rd Street Arlington, VA 22202 Telephone: (703) 521-2297 Facsimile: (703) 685-0573</p> <p>Y&T Customer No. 00466 EJ/yr</p> </div> <div style="width: 45%; text-align: right;"> <p><i>Eric Jensen</i> SIGNATURE</p> <p>Eric Jensen, Reg. No. 37,855 NAME, REGISTRATION NUMBER</p> <p>December 21, 2004 DATE</p> </div> </div>																																																																														